CTVUE-1008 Tutorials





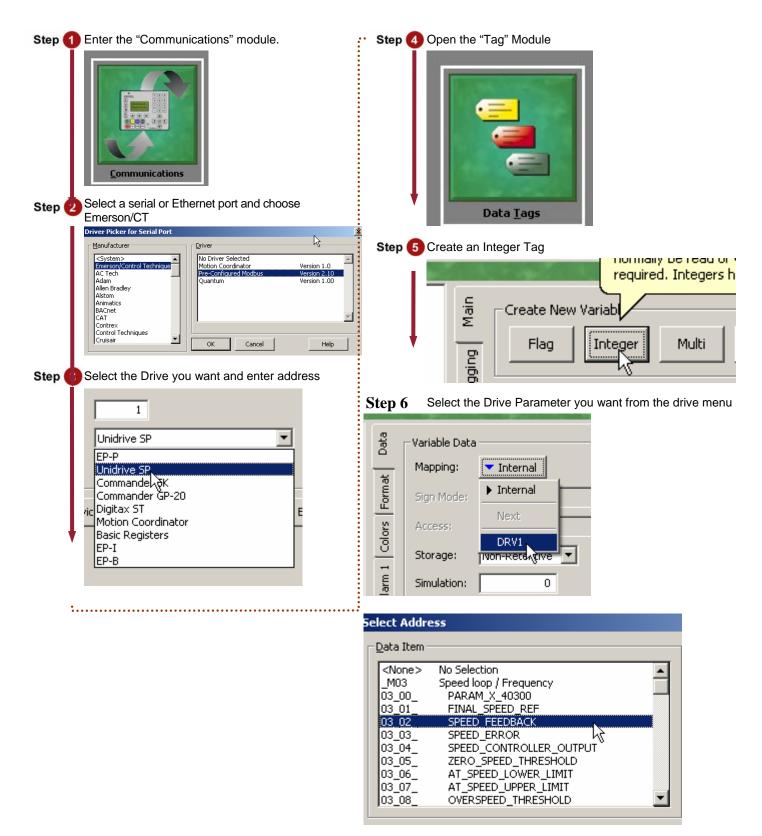
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ACCESS DRIVE DATA

TU0001

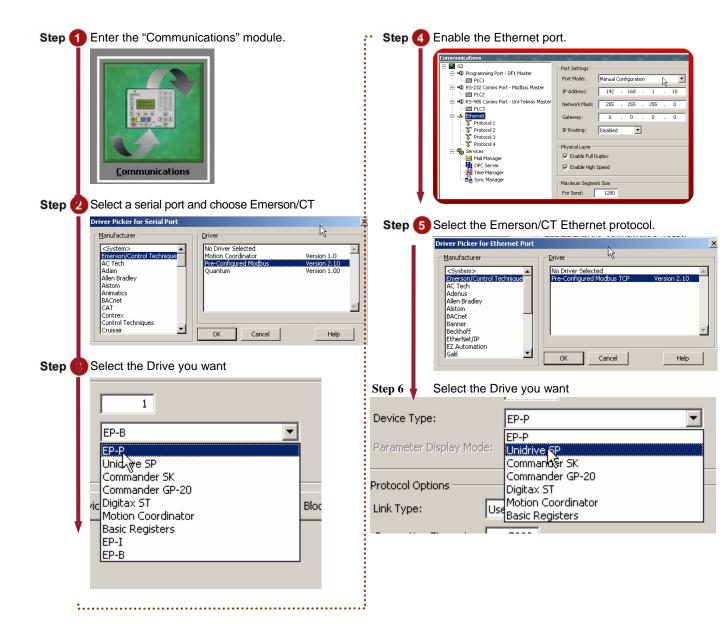
Access Control Techniques Drive Data in Just 6 steps



MULTI COMMUNICATION PORTS

TU0001

CONFIGURING MULTIPLE PROTOCOLS IN JUST 5 STEPS

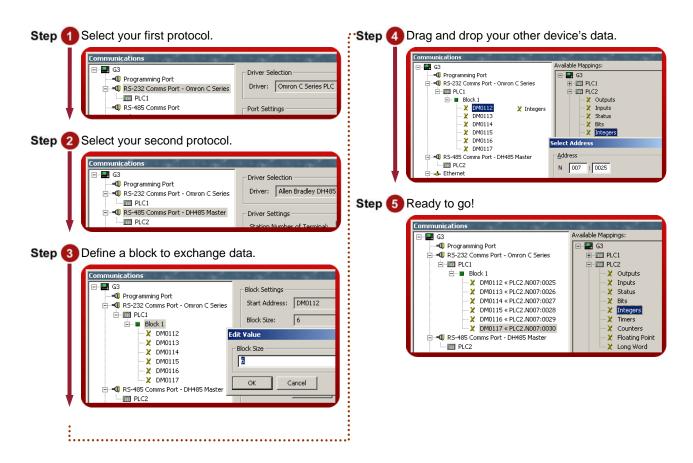


For more information on CTVUE, refer to the manual.

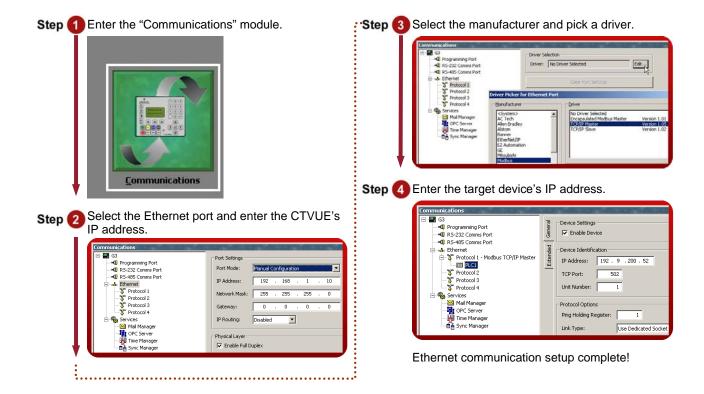
PROTOCOL CONVERTER

PROTOCOL CONVERSION IN JUST 5 STEPS

TU0002

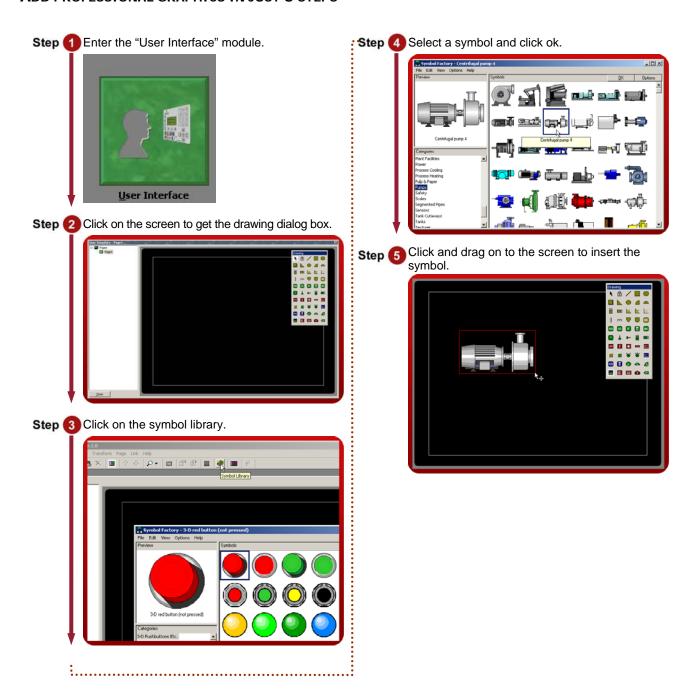


ETHERNET COMMUNICATION IN JUST 4 STEPS

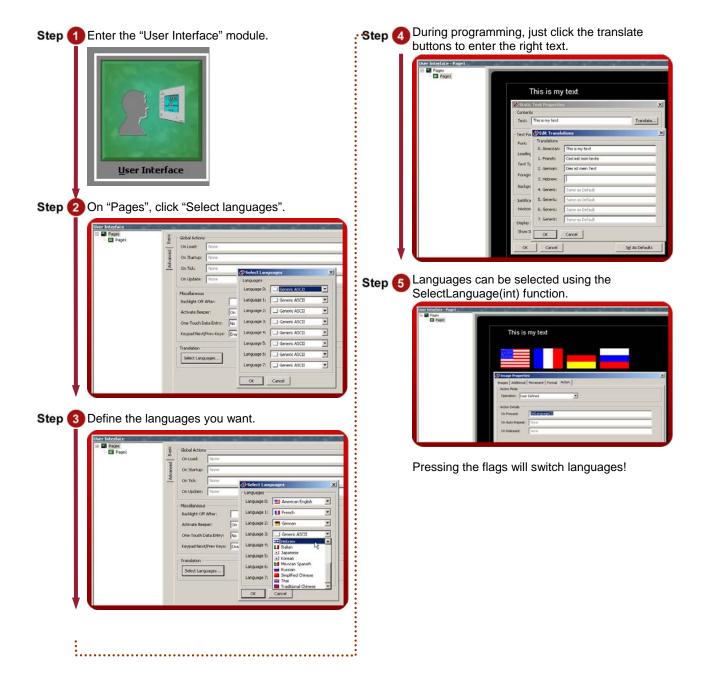


For more information on CTVUE, refer to the manual.

ADD PROFESSIONAL GRAPHICS IN JUST 5 STEPS

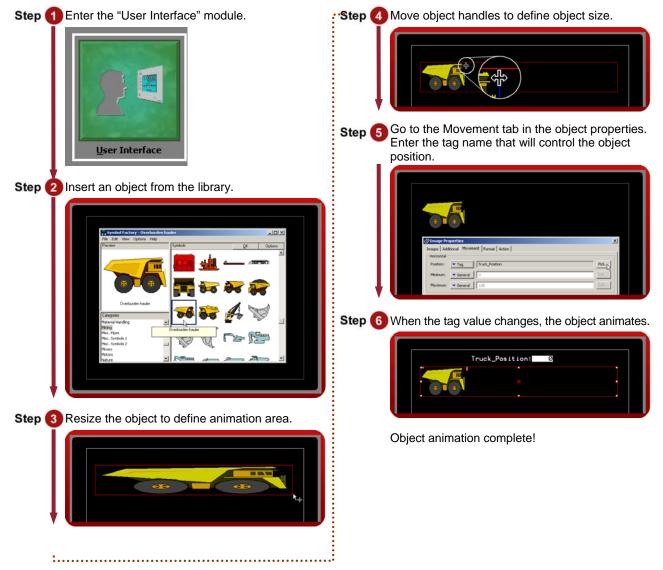


SET UP MULTIPLE LANGUAGES IN JUST 5 STEPS



For more information on CTVUE, refer to the manual.

CREATING ANIMATION IN JUST 5 STEPS



HIDE OBJECT

HIDING OBJECT IN JUST 5 STEPS

Step 1 Enter the "User Interface" module.

User Interface

primitives (buttons, etc.).

Button

"Show Item" field.

Button Options Label Text: Button

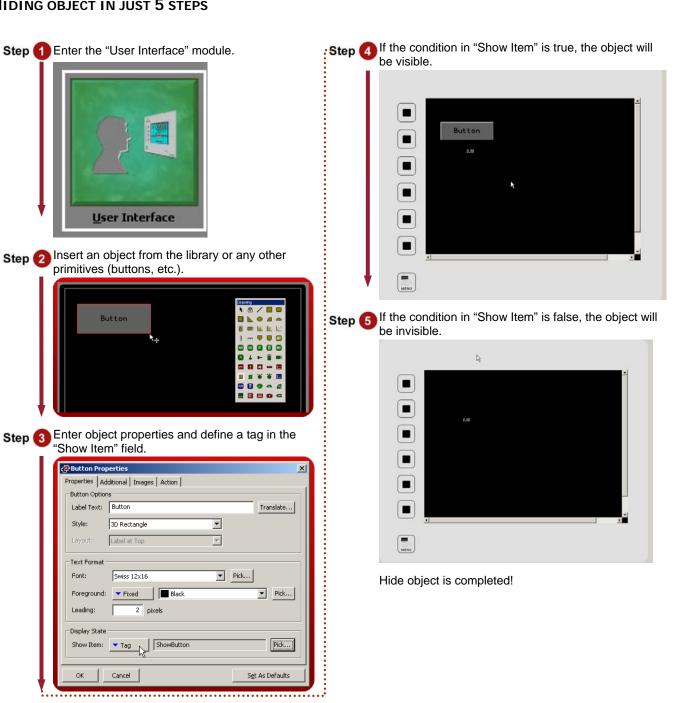
roperties Additional Images Action

3D Rectangle

Swiss 12x16

Cancel

-



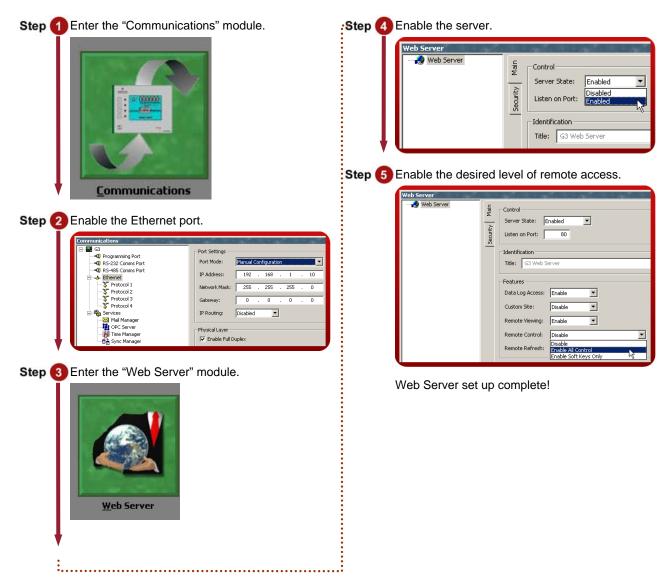
TU0009

For more information on CTVUE, refer to the manual.

TU0010

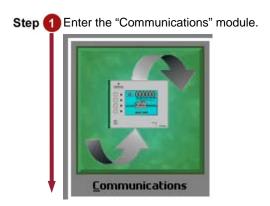
WEB SERVER

ACTIVATING THE WEB SERVER

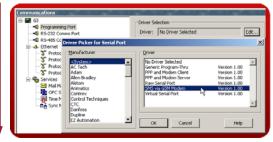


EMAIL/SMS NOTIFICATION

TEXT MESSAGING IN 7 STEPS



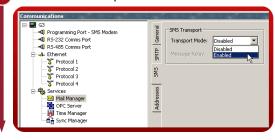
Step 2 Select a serial port and choose the driver SMS via GSM Modem.



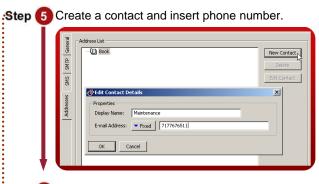
Step (3) Enable the Mail Manager.



Step 4 Enable SMS Transport Mode.

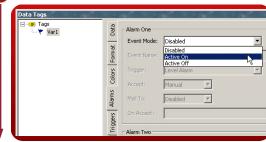


For more information on CTVUE, refer to the manual.



TU0011

Step 6 Create an alarm on a tag.



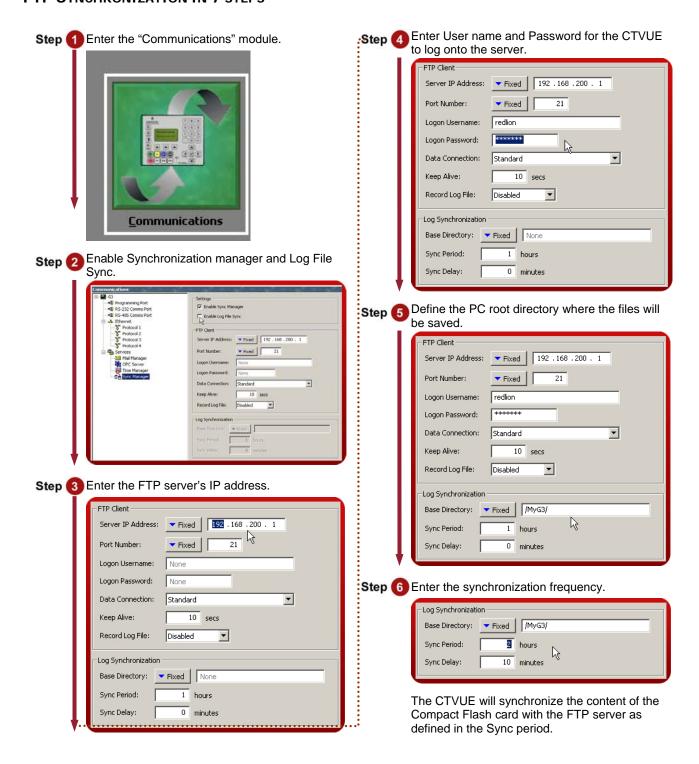
Step 7 Define the contact targeted by the alarm.



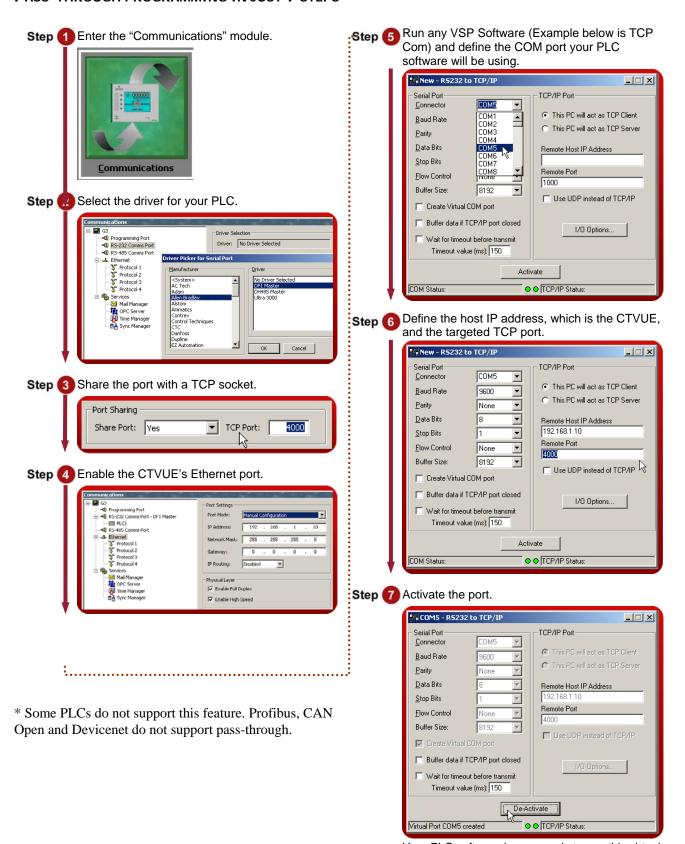
When the alarm is true, a text message will be sent to the defined contact. The message content is the alarm text.

Text messaging complete!

FTP SYNCHRONIZATION IN 7 STEPS

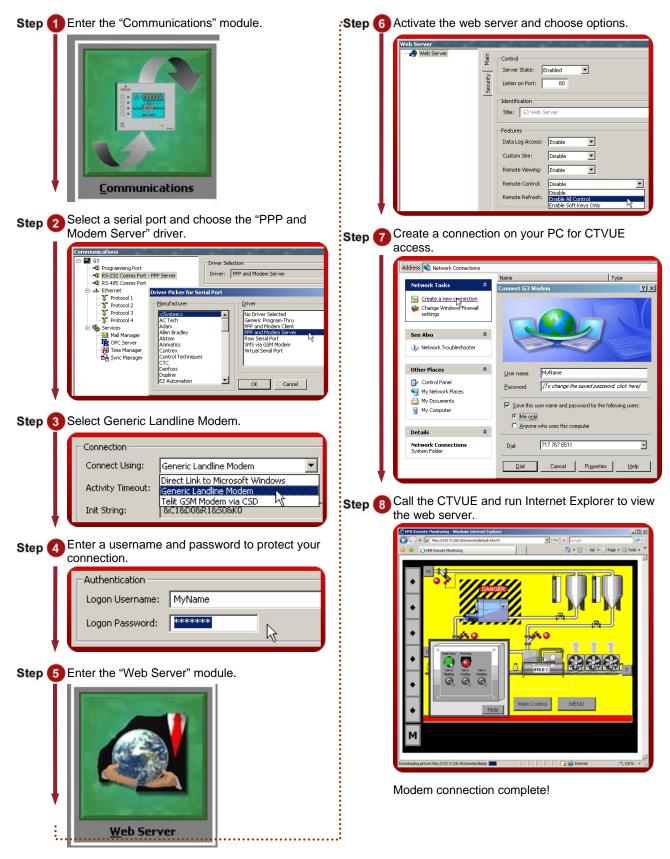


Pass-through programming in Just 7 steps



Your PLC software is now ready to use this virtual port as if it was connected directly to the PLC.

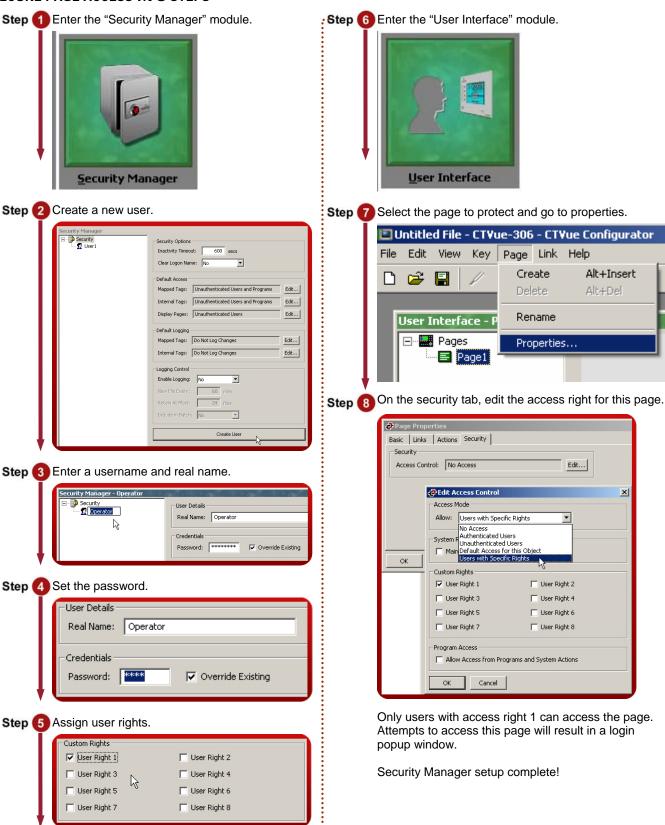
CTVUE ACCESS VIA LANDLINE MODEM IN JUST 8 STEPS



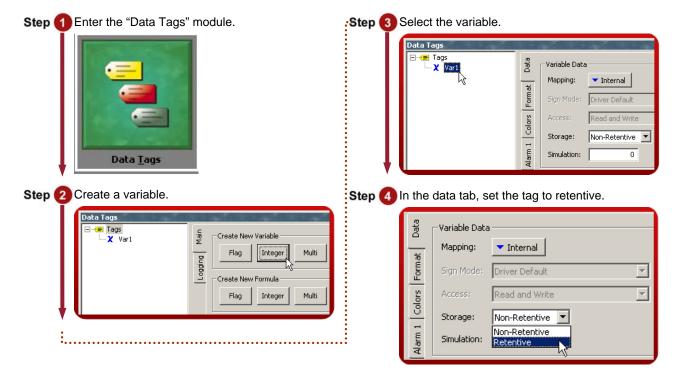
SECURITY MANAGER







RETENTIVE TAGS CONFIGURATION IN 4 STEPS



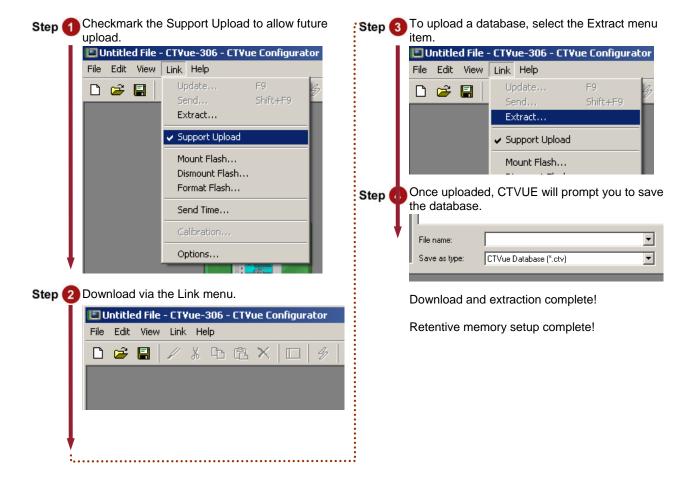
For efficiency, the CTVUE caches several minutes' worth of writes before committing to memory.

Retentive memory setup complete!

TU0018

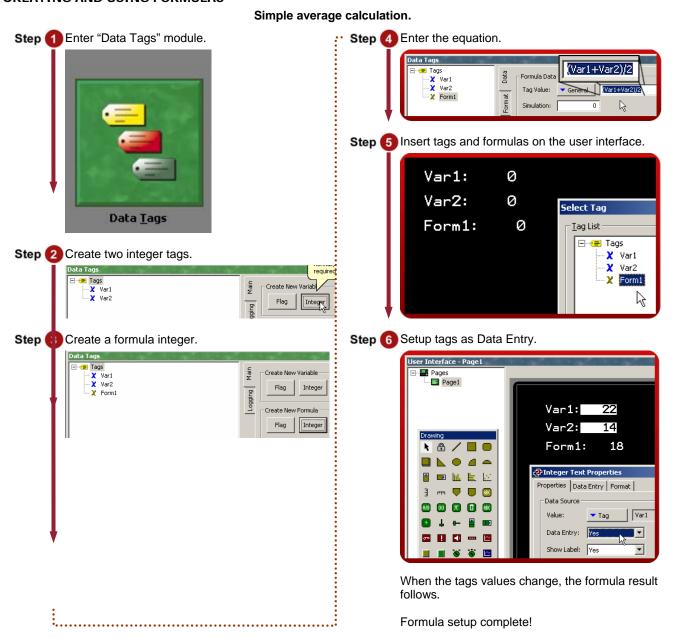
USB Connection

DOWNLOAD AND EXTRACT



MATH AND FORMULAS

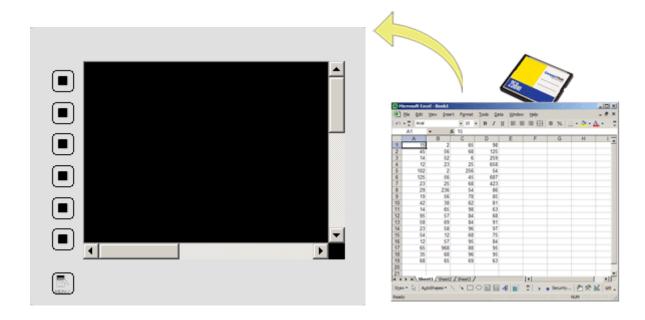
CREATING AND USING FORMULAS



RECIPES AND ARRAYS

TU0020

DESCRIPTION



The CTVUE unique data handling capability provides all the necessary tools to manage recipes. You can load or download your process or batch-values to any of the communication devices linked to the HMI.

By storing the recipes to CompactFlash card, you can transfer your production data from one machine to another or from laboratory to production.

User programming is required to achieve recipe transfer with the CompactFlash card.

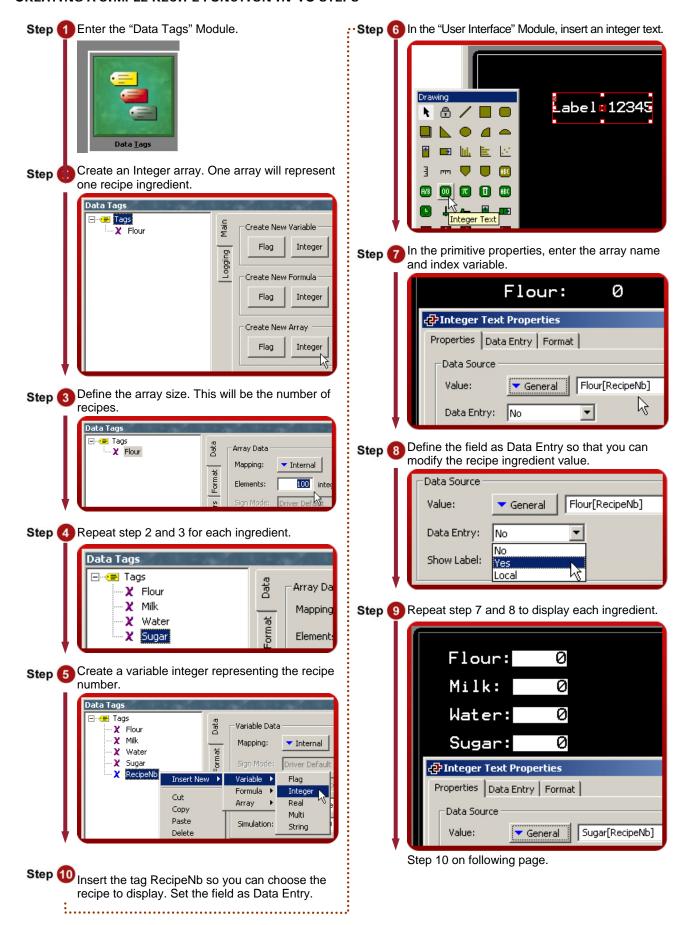
BENEFITS

- Handle your different production batches with simplicity by just loading the right recipes.
- No extra PLC memory or complex mapping to handle, everything is saved in the CTVUE.
- Get the recipes straight from the CompactFlash card in the CTVUE memory.

EXAMPLE

A plant specialized in plastic extrusion handles up to 2000 profiles. Each profile has specifications in colors, shape, density and plastic type. Before each batch, all specs are loaded from the recipes by just typing the part number. If a new plastic is created, the laboratory provides the specs on a CompactFlash card in a CSV file so entering data is not even necessary.

CREATING A SIMPLE RECIPE FUNCTION IN 10 STEPS



efesotomasyon.com - Control Techniques,emerson,saftronics -ac drive-servo motor



This example is now ready to use. Create recipes by changing values in the ingredients for a defined recipe number. Altering the recipe number will change the recipe being viewed.

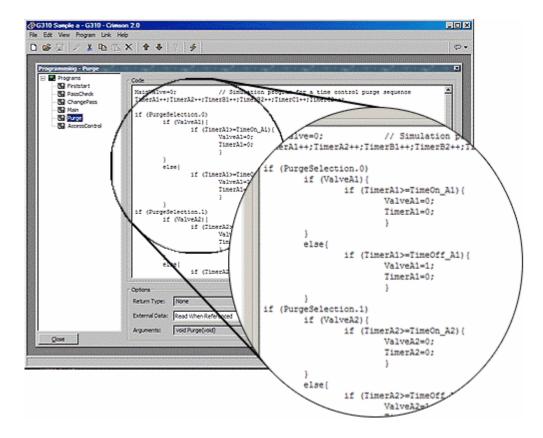
Recipe setup complete!

For more information on CTVUE, refer to the manual.

BUILT IN COMPILER

TU0021

DESCRIPTION

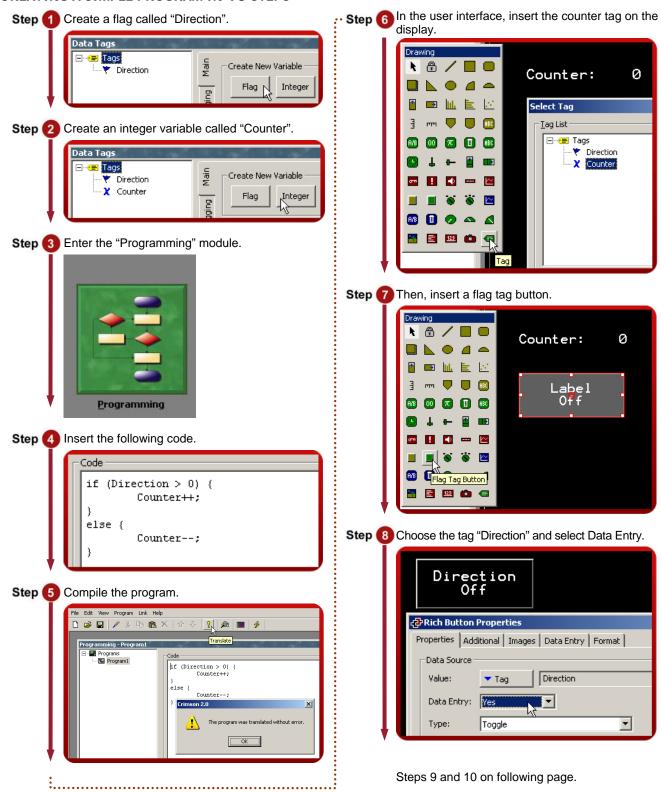


While we do our best to create the most powerful interface on the market, we can't always keep up with our customers' imaginations. We've thus included a powerful programming system to allow you to implement any additional functionality that your application may need. The C-like programming language features blistering performance, advanced math capability, and provides direct access to many of the CTVUE's unique features, like the CompactFlash card and the multiple serial ports. You can even create TCP/IP connections to extract data from websites!

BENEFITS

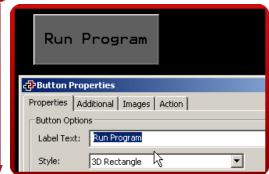
- Create your own function and programs to customize your program and differentiate your system.
- No limitation from the HMI, you can still go further.
- Programming language easy to use, based on C programming syntax and integrating a library of built in functions.

CREATING A SIMPLE PROGRAM IN 10 STEPS



Step

Greate a button and label it "Run Program".



Step 10 In action, enter "Program1()". This will execute the program once.



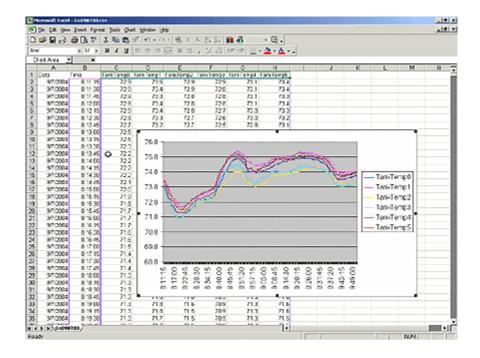
By changing the Direction flag value, the Counter will either increase or decrease when the program is executed.

Programming complete!

Data Logging

TU0022

DESCRIPTION



The CTVUE will log tags at user-programmable rates, and automatically time/date stamp them. The information is stored in open CSV file format, allowing you to access them with virtually any application, such as Microsoft Excel.

BENEFITS

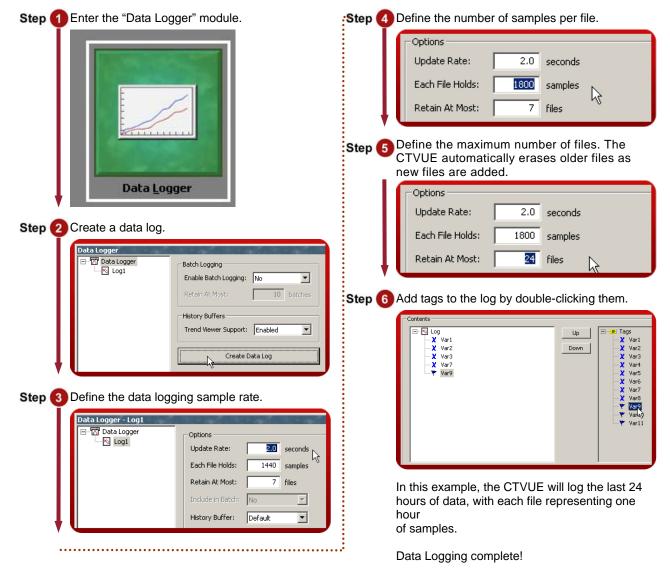
- Record your system process value for faultfinding or process improvement.
- Facilitate preventive maintenance by monitoring critical area of your system.
- Built in data logger provides ready to use data for review.

EXAMPLE

A cold storage facility records the multiple fridges temperatures for surveillance purpose and liability. By also monitoring doors' status, reaction time to reach the temperature setpoint gives a good indicator of the compressor health, therefore providing tips to maintenance and avoiding future failures.



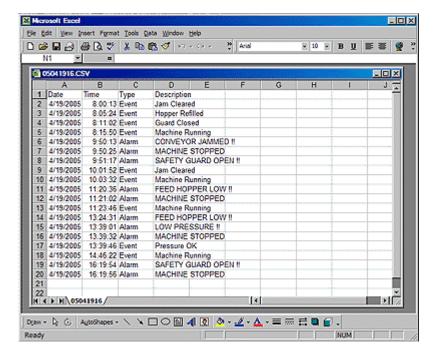
DATA LOGGING IN 6 STEPS



EVENT LOGGING

TU0023

DESCRIPTION



The CTVUE's event logger allows you to track machine events, providing critical information for troubleshooting and process improvement.

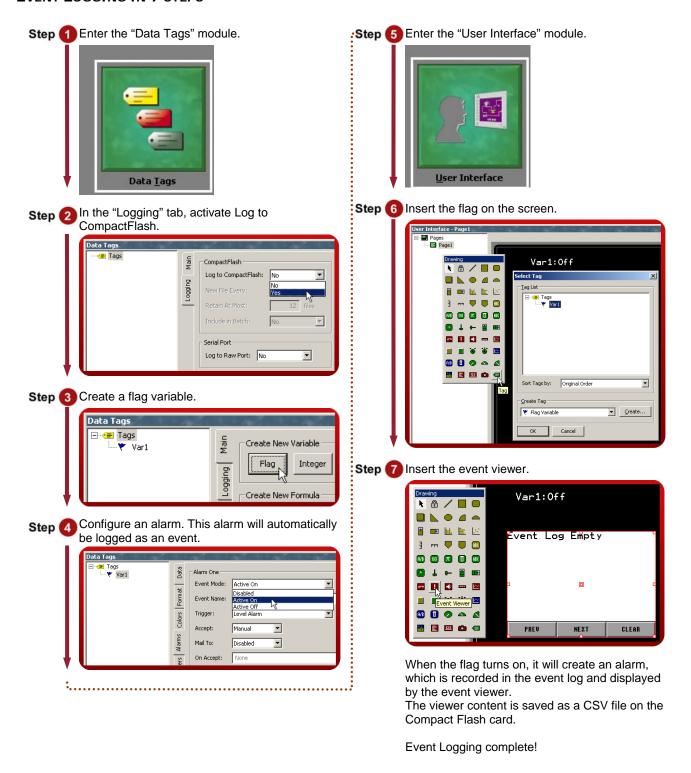
BENEFITS

- Provides traceability for your system.
- History of your system helps maintenance to find problems origin.
- Built in event logger provides ready to use data for review.

EXAMPLE

By monitoring events on linear production line, the origin of a break in a process can be found in seconds and fixed as quickly as possible so production can resume.

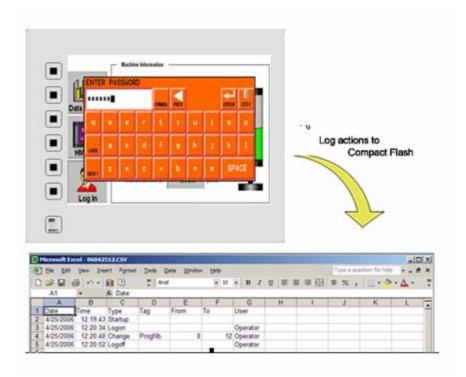
EVENT LOGGING IN 7 STEPS



SECURITY LOGGING

TU0024

DESCRIPTION



Security Manager provides multi-user, multilevel password protection. The advanced security logger tracks operator actions as well as any data change for later review.

BENEFITS

- Protect your machine from unauthorized operators and manage users and rights easily.
- Log all user actions for production follow up.
- Get the history of all your parameter modifications for faultfinding and maintenance.

EXAMPLE

An OEM specialized in sterilization equipment provides his customer with multi-user password protection for his autoclaves system. Production error due to operator failure can be found with the security logger.

SECURE PAGE ACCESS IN 8 STEPS Step 1 Enter the "Security Manager" module. .. Step 6 Define the data changes to be logged. Inactivity Timeout: 600 secs Clear Logon Name: No Mapped Tags: Unauthenticated Users and Programs Internal Tags: Unauthenticated Users and Programs Edit... Edit... Mapped Tags: Log Changes by Users Internal Tags: Do Not Log Changes Edit. Security Manager Step 2 Create a new user. Inactivity Timeout: 600 secs Clear Logon Name: No OK Cancel Mapped Tags: Unauthenticated Users and Programs Edit... Internal Tags: Unauthenticated Users and Programs Edit... Display Pages: Unauthenticated Users Step Enable the logging. Default Logging Mapped Tags: Do Not Log Changes Edit... Internal Tags: Do Not Log Changes Mapped Tags: Log Changes by Users Edit... Edit... Logging Control Internal Tags: Log Changes by Users Edit... Enable Logging: No Logging Control Enable Logging: Yes New File Every: Retain At Most: Step 3 Enter a username and real name. Include in Batch: No Step (8) Enter the logging parameters. Real Name: Operator Logging Control Enable Logging: Yes New File Every: 1440 Step 4 Set the password. Retain At Most: -User Details Include in Batch: No Real Name: Operator The security logger will now record users actions Credentials and data changes. Password: **** ✓ Override Existing Security Logger setup complete! Step (5) Assign user rights. Custom Rights User Right 1 User Right 2 User Right 3 User Right 4 User Right 5 User Right 6 User Right 7 User Right 8

For more information on CTVUE, refer to the manual

COMPACTFLASH CARD ACCESS

TU0025

DESCRIPTION



Not only does the CompactFlash interface provide expandable storage for data and event logging, it also provides a means to load the panel's database without a PC.

User programming is required to achieve the reports and recipes features.

BENEFITS

- Use the memory card as a drive on your CTVUE and save any process data you want.
- Easily accessible using USB connection or FTP synchronization.
- Provide virtually unlimited memory for your reports, recipes, data, events and security logs.
- Simple program transfer from one CTVUE to another using the CompactFlash to download.

EXAMPLE

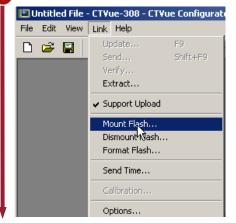
A production manager in a bakery can access packaging line summary reports on his server for production numbers and shipping results. The reports are generated by CTVUEs that synchronize with the server on a regular basis.

USING C2 COMPACTFLASH TOOLS

Mounting the CompactFlash Card

Modifiling the CompactFlash Care

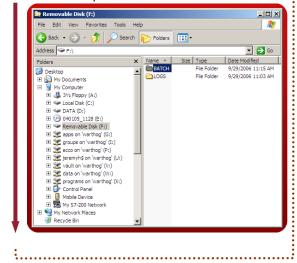
Step 1 Click on Link>Mount Flash



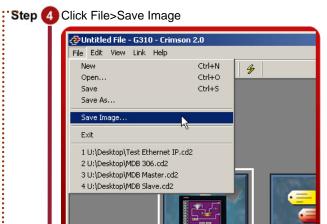
Step 2 The CTVUE will cycle power to mount the card.



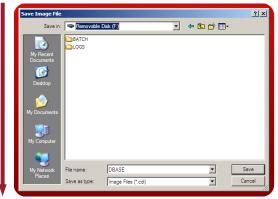
Step 3 The card is then available as a drive under Windows Explorer.



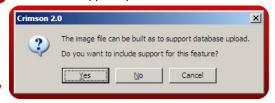
Saving an image on the card



Step 5 Select the CompactFlash Card and name the file DBASE.cdi.



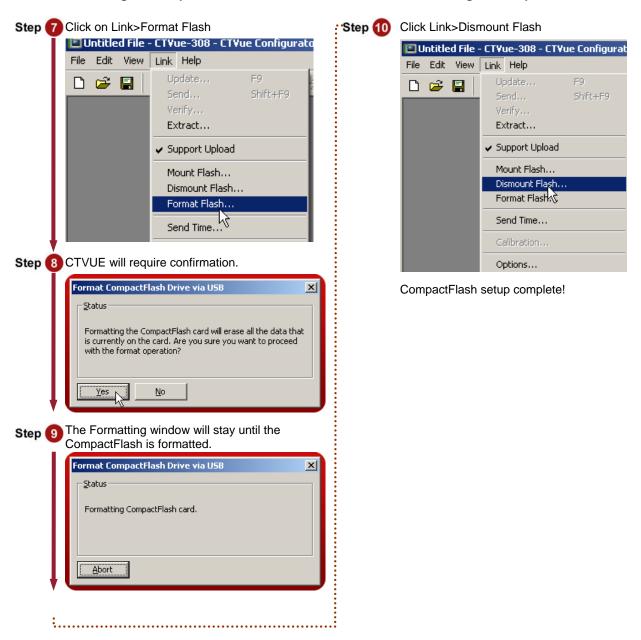
Step 6 Click Yes to support upload.



Tutorials continues next page.

Formatting the CompactFlash Card.

Dismounting the CompactFlash card.



For more information on CTVUE, refer to the manual.

Banner Vision Sensor

TU0027





DESCRIPTION

View the PresencePLUS sensor image directly on the HMI display. Control your products and easily manipulate your production by loading and saving camera inspection files from the CTVUE's CompactFlash card. The driver also allows parameter reading and writing from the camera for status, count and programming.

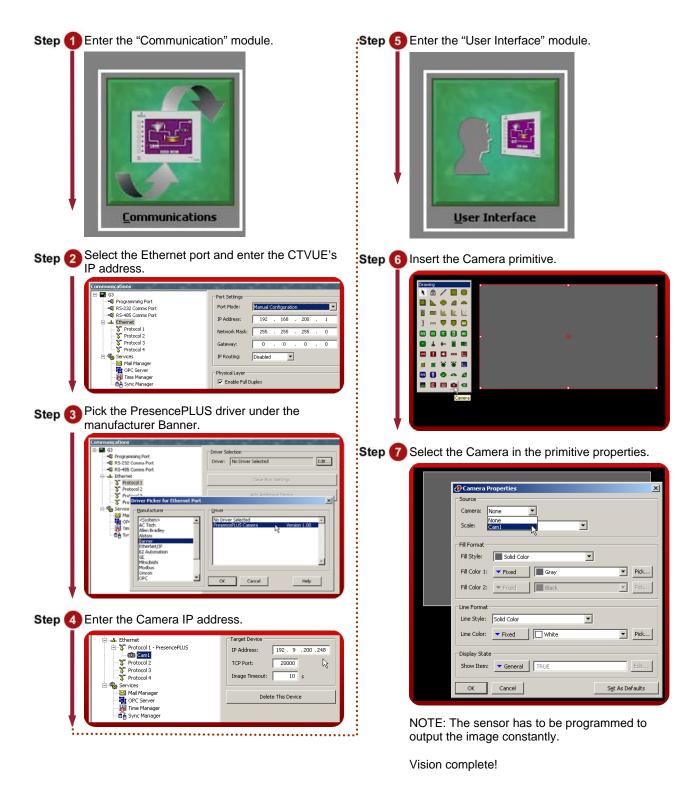
BENEFITS

- Provides an easy way to set up the vision sensor and change production batch.
- View and control the image directly from the CTVUE display.

EXAMPLE

A car equipment manufacturer controls parts quality and validity by reading a 2D barcode present on the side of each part. Changing the production batch is simply done via the touch screen and new barcodes can be added later using the teach functionality.

VISUALIZING THE IMAGE IN JUST 7 STEPS



For more information on CTVUE, refer to the manual.